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Henry Brendzel

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Complete if Known

Application Number	09/687,238
Filing Date	10/13/00
First Named Inventor	Ayman F Naguib
Examiner Name	
Group/Art Unit	
Attorney Docket ID	Naguib 2000-0238

Total number of pages in this Submission

2

ENCLOSURES (check all that apply)

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Patent Application

Inventor(s)	Ayman F Naguib Arthur R Calderbank	Case Name	Naguib 2000-0238
Filing Date	10/13/00	Serial No.	09/687,238
Examiner		Group Art Unit	
Title	Equalization of Transmit Diversity Space-Time Coded Signals		

ASSISTANT COMMISSIONER FOR PATENTS
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SIR:

PRELIMINARY AMENDMENT

IN THE SPECIFICATION:

Page 1, line 30 ~~between~~ "of" and "as" insert --delay diversity--,
Page 2, line 2 ~~change~~ "tarokh" to --Tarokh--,
Page 2, line 4 ~~change~~ "were" to --are--,
Page 2, line 5 ~~change~~ "where" to --and--,
Page 2, line 14 ~~change~~ "R. A" to --A. R--,

IN THE CLAIMS:

Claim 1, line 1 ~~following~~ "receiver" add --method--

Claim 1, line 6 (next to last line) ~~change~~ "symbols" (both occurrences) to --symbol--.

Add the following claims:

2. The method of claim 1 where the were said selecting of a trellis transition is chosen to improve performance of equalization

3. A receiver having a plurality of antennas comprising:
an equalizer responsive to signals received by said antennas from a transmitter via a transmission channel;

a mapper responsive to said equalizer; and
a decoder responsive to said mapper, where
said equalizer is responsive to transmission parameter values of said transmission channel and to encoding schema within said transmitter.

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